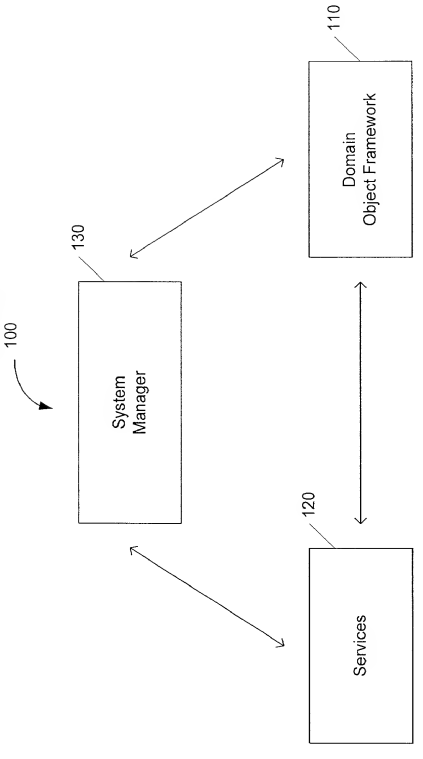
100
130
System Manager
110
Domain Object Framework
120
Services

FIG. 1

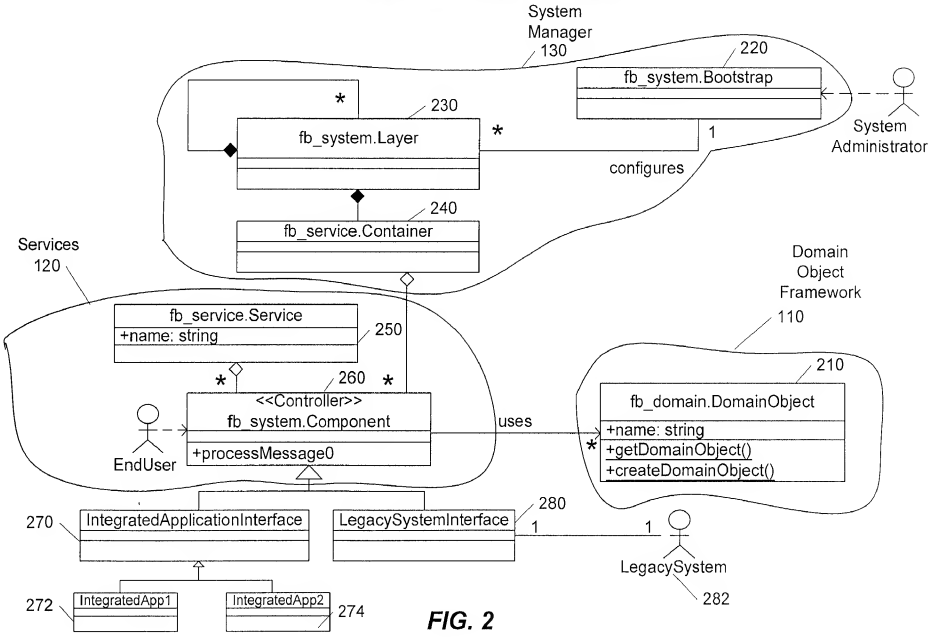
System Manager
130
220
fb_system.Bootstrap
System Administrator
*
230
fb_system.Layer
*
1
configures
240
fb_service.Container
Services
120
Domain Object Framework
110
fb_service.Service
+name: string
250
210
*
260
*
<<Controller>>
fb_system.Component
+processMessage0
EndUser
uses
fb_domain.DomainObject
+name: string
+getDomainObject()
+createDomainObject()
*
270
IntegratedApplicationInterface
LegacySystemInterface
280
1
1
LegacySystem
282
272
IntegratedApp1
IntegratedApp2
274

FIG. 2

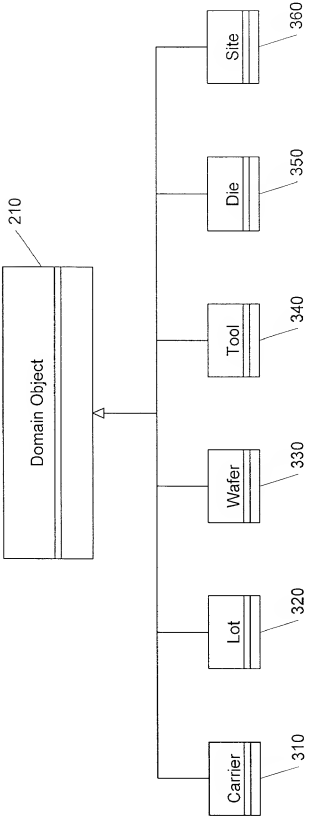
210
Domain Object
Carrier
310
Lot
320
Wafer
330
Tool
340
Die
350
Site
360

FIG. 3

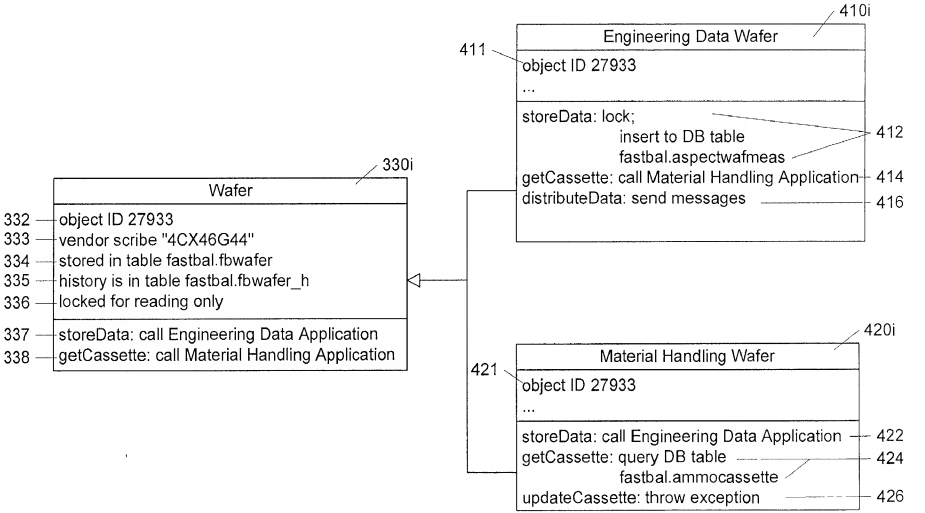
410i
Engineering Data Wafer
411
object ID 27933
...
storeData: lock;
insert to DB table
fastbal.aspectwafmeas
412
getCassette: call Material Handling Application
414
distributeData: send messages
416
330i
Wafer
332 object ID 27933
333 vendor scribe "4CX46G44"
334 stored in table fastbal.fbwafer
335 history is in table fastbal.fbwafer_h
336 locked for reading only
337 storeData: call Engineering Data Application
338 getCassette: call Material Handling Application
420i
Material Handling Wafer
421
object ID 27933
...
storeData: call Engineering Data Application
422
getCassette: query DB table
424
fastbal.ammocassette
updateCassette: throw exception
426

FIG. 4

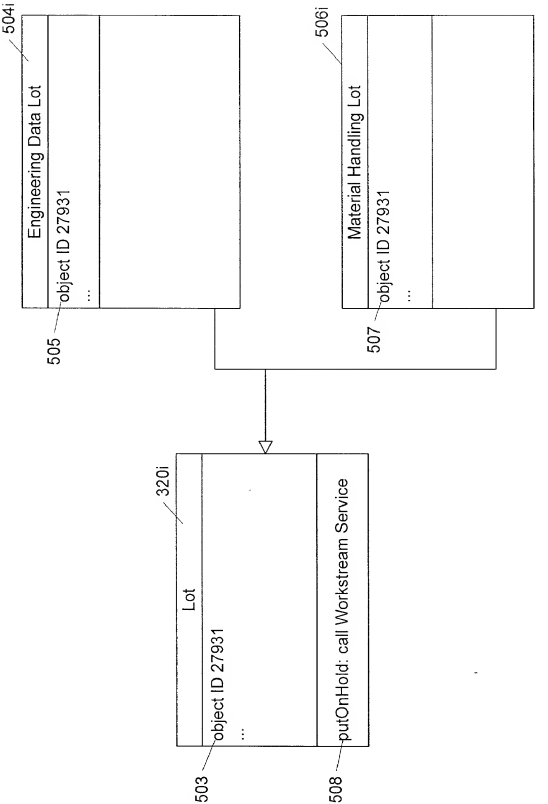
504i
Engineering Data Lot
object ID 27931
...
505
506i
Material Handling Lot
object ID 27931
...
507
320i
Lot
object ID 27931
...
503
putOnHold: call Workstream Service
508

FIG. 5

504i
652
654
656
634
Engineering Data Lot
object ID 27931
lot ID "J001880"
putOnHold: call
Workstream Service
putOnHold
("J001880")
632
Computer 610
Process 620
putOnHold
SPCController 630a
Process 625
WorkStream interface 680a
636
putOnHold ("J001880")
Workstream service
680
Computer 660
Process 670
SPCController 630b
Process 675
WorkStream interface 680b
SPC service 630
631
User 605
638
putOnHold ("J001880")
Workstream 695

FIG. 6